

# NEBRASKA WEATHER & CROPS

NEBRASKA  
AGRICULTURAL  
STATISTICS  
SERVICE

For Week Ending June 12, 1994

Issue: 14-94

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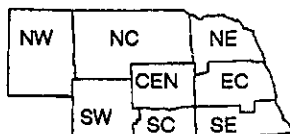
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National Weather Service



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## WEATHER

Temperatures for the week averaged near normal across the State except in the west where temperatures averaged four degrees above normal. Precipitation occurred throughout the week with amounts varying from .02 inch at Chadron up to 3.66 inches at Imperial.

## GENERAL

Scattered rainfall this past week brought relief to some stressed crops and grasslands, according to the Nebraska Agricultural Statistics Service. Some previously drought-stressed western wheat may not reap the benefits from this latest rainfall. Last week's storm systems brought damaging hail and wind to some western and central counties. Producer activities included cultivating and spraying for weeds, harvesting hay, planting millet and sunflowers, and irrigating crops.

## CROPS

Winter wheat condition was rated at 29% poor, 42% fair, 27% good, and 2% excellent. The crop has begun turning color across the State and was rated at 27% turned, slightly ahead of normal. Coloring was most advanced in the Southwest District. Some stressed fields in the west will not have yield improvements from the recent rains. These yield reductions are a result of late freezing temperatures this spring and hot, dry conditions during May. Eastern wheat fields should benefit from recent scattered rains.

Corn condition was rated at 16% fair, 77% good, and 7% excellent. With most pre-emergence herbicides

## CROPS (Cont.)

not activated due to limited rainfall, producers have been actively cultivating and applying post emergence herbicides. Ditching for irrigating was underway with some pivots in operation.

Soybean condition was rated at 17% fair, 76% good, and 7% excellent. Weed control activities continued.

Sorghum condition was rated at 21% fair, 76% good, and 3% excellent. Some stands are spotty due to dry conditions slowing the germination process.

Dry bean planting made excellent progress again last week with 89% complete to date. This compares to 63% last year. As of Sunday, 59% had emerged.

Some sugar beet acreage was hailed out last week and may be replanted to other crops.

Alfalfa condition was rated at 1% very poor, 8% poor, 38% fair, 51% good, and 2% excellent. The first cutting activities were 87% complete and compares with 54% last year and 61% for the five-year average. Reports indicate good quality with below average yields. Wild hay condition was rated at 6% poor, 28% fair, 65% good, and 1% excellent.

## LIVESTOCK

Pasture and range condition was rated at 91% of normal and compares with 99% last year. Lack of moisture continued to stress western and southern pastures and in some cases requiring movement of cattle and supplemental feeding. Areas receiving moisture have seen some grass regrowth. Additional rainfall is needed to insure adequate grazing potential this summer.

FIELD WORK PROGRESS AS OF JUNE 12, 1994	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% sorghum emerged	0	100	100	100	98	95	95	96	96	76	53	74
% soybeans emerged	0	100	100	100	99	100	100	99	99	89	57	77
% alfalfa first cutting	65	77	82	98	95	100	100	100	87	58	54	61
% wheat headed	100	100	98	100	100	100	100	100	100	95	90	96
% wheat turning	10	14	2	8	15	56	18	28	27	9	5	23
% dry beans planted	90	100	100	85	0	86	100	0	89	57	63	n/a
% dry beans emerged	54	100	100	65	0	68	100	0	59	20	22	n/a
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF JUNE 10, 1994												
Days suitable	5.8	3.2	4.1	4.0	3.4	4.5	4.2	3.3	4.1	5.1	5.1	
Topsoil moisture - Short	59	0	17	43	9	62	25	22	26	63	3	
(Percent) - Adequate	35	92	72	43	77	25	75	67	64	35	84	
- Surplus	6	8	11	14	14	13	0	11	10	2	13	
Subsoil moisture - Short	24	0	0	0	5	62	8	13	12	20	0	
(Percent) - Adequate	76	100	100	100	90	38	92	87	87	80	78	
- Surplus	0	0	0	0	5	0	0	0	1	0	22	

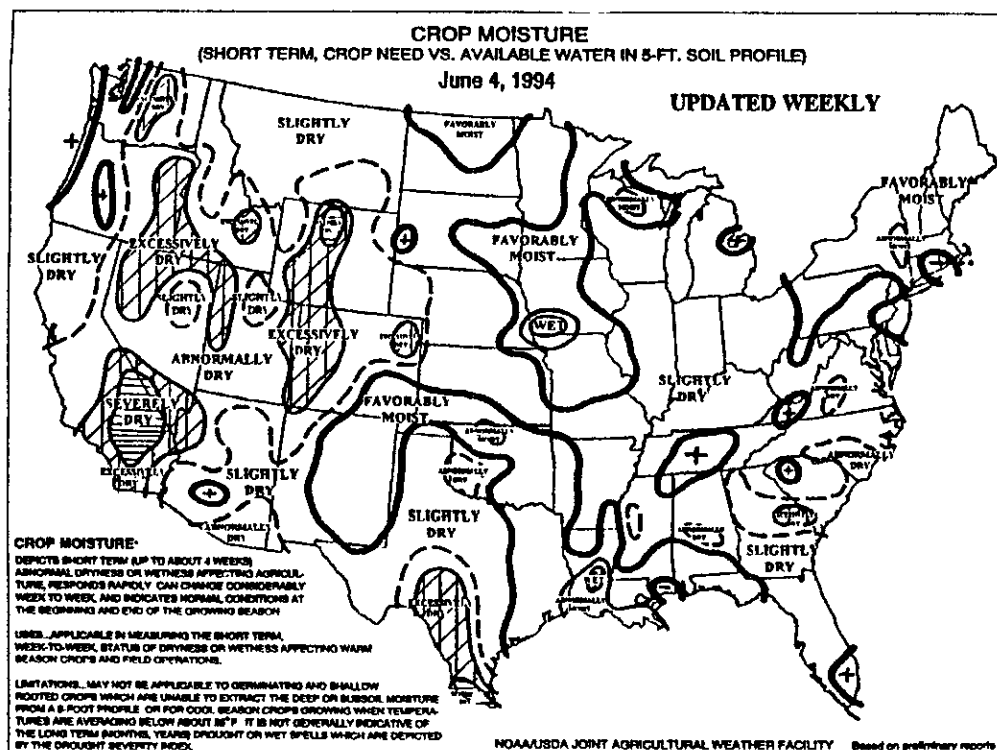
n/a = not available.

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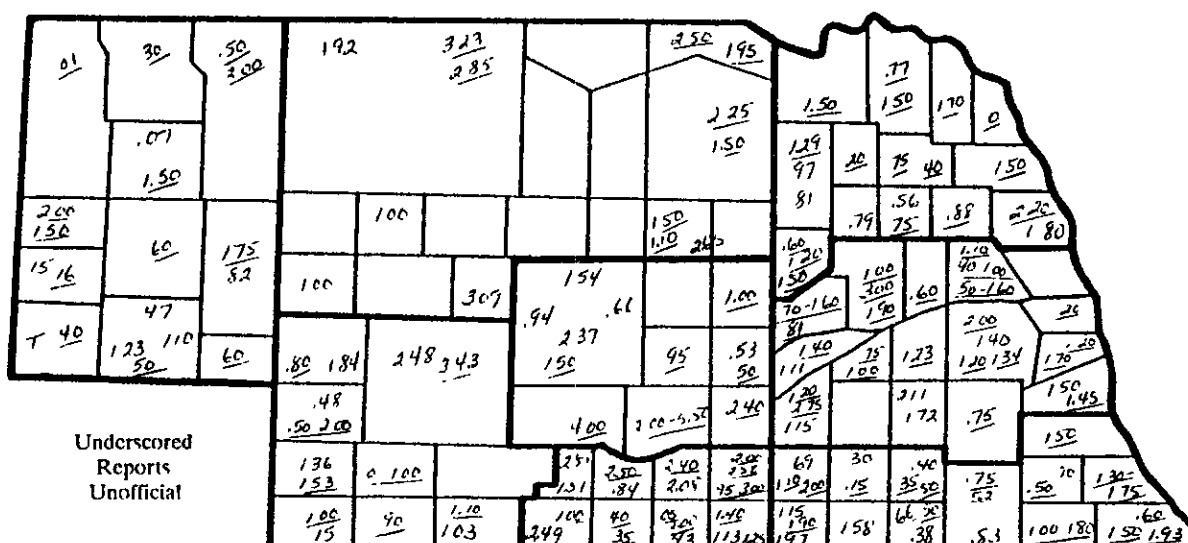
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**PRECIPITATION MAP FOR WEEK ENDING FRIDAY, JUNE 10, 1994**



**PRECIPITATION, APRIL 1 - JUNE 10, 1994**

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week	64	193	99	1.21	1.50	1.22	1.57	87
Total since April 1	3.45	5.27	5.49	5.71	6.28	3.83	5.86	7.39
Normal since April 1	5.83	6.72	7.73	7.29	8.24	6.07	7.06	8.17
Total as % of normal	59%	78%	71%	78%	76%	63%	83%	90%

**TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA,  
WEEK ENDING SUNDAY, JUNE 12, 1994**

Station		Temperature				Precipitation	Growing Degree Data Since April 15		
		Extremes		Mean	Departure	Total Inches 1/	Last Week	Current	Normal
		Max	Min						
NW	Chadron	97	43	69	---	.02	---	---	---
	Scottsbluff	98	41	69	+4	58	699	823	607
	Sidney	95	47	69	---	88	628	740	547
NC	Valentine	90	43	67	+1	2.76	---	---	---
	Arthur	---	---	---	---	---	638	759	538
	O'Neill	---	---	---	---	---	632	753	637
NE	Norfolk	94	50	70	+1	.07	---	---	---
	Sioux City	88	52	69	0	42	---	---	---
	Concord	---	---	---	---	---	657	787	686
	Elgin	---	---	---	---	---	658	780	638
	West Point	---	---	---	---	---	704	839	692
	CEN	Grand Island	95	56	71	+1	2.40	---	---
	Ord	95	51	72	---	.73	676	808	665
	Wood River	---	---	---	---	---	702	836	730
	EC	Lincoln	90	50	70	0	18	748	897
Omaha		90	55	70	0	1.16	---	---	---
Central City		---	---	---	---	---	723	856	760
	Mead	---	---	---	---	---	709	843	748
	Rising City	---	---	---	---	---	691	826	745
	SW	Imperial	98	50	72	---	3.66	---	---
North Platte		95	51	70	+4	3.48	679	811	637
McCook		---	---	---	---	---	732	879	728
SC	Holdrege	---	---	---	---	---	710	843	713
	Red Cloud	---	---	---	---	---	716	854	758
SE	Beatrice	---	---	---	---	---	722	860	745
	Clay Center	---	---	---	---	---	712	846	723

1/ Precipitation totals not included in map above

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is Max. temp + min. temp. divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.